

SYSTEM AND METHOD FOR MANAGING DISPARATE VIDEO NETWORK
DEVICES THROUGH OBJECTS

ABSTRACT OF THE INVENTION

A system and method for accessing and managing disparate video network devices supports a user interface with an interface protocol communicating through a management adapter. The management adapter communicates with a device access layer that represents video network devices as objects, such as Management Beans, with a class of objects associated with a type of device. The objects translate communications from the management adapter into a protocol and attributes native to the device to allow the management adapter access to device attributes, which are then available to the user interface via the interface protocol. The device access layer thus establishes a proxy relationship so that video network devices are more easily interacted with and managed by applications communicating through the management adapter by a uniform protocol. The object attributes provide variables for the dynamic creation of a management information base associated with a device that aids a management application's management of disparate devices.

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